Question Paper
ANMC Mock Test Class 7 - Comparing Quantities (Paper 2)

Exam ID : TEST/2024/01/05135132 Report Generation Date : 3/26/2024 3:01:05 PM

Q1: A bag contains 50p, 25p, 10p coins in the ratio 2 : 6 : 3, amounting to Rs. 224. Find the total number of coins.

A: 800

B: 880

C: 850

D: 860

Answer: B

Q2: If a number x is 25% less than another number y and y is 25% more than 144, then value of x is:

A: 140

B: 144

C: 135

D: 130

Answer: C

Q3: If a number x is 25% less than another number y and y is 25% more than 144, then value of x is:

A: Rs.122880

B: Rs. 117120

C: Rs. 120420

D: None of the above

Answer: B

Q4: Rice is bought at Rs. 35.20 per kg and sold at Rs. 40 per kg. The gain percent is:

A: 12.33%

B: 13.26%

C: 12.54%

D: 13.64%

Answer: D

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Q5: What is 10% of 10% of (1/10)?

A: 1.00

B: 0.01

C: 0.001

D: 0.10

Answer: C

Q6: If a merchant estimates his profit as 15% of the selling price, what is the profit percent?

A: 16.25%

B: 18.45%

C: 17.65%

D: 16.78%

Answer: C

Q7: If a number x is 12% less than another number y and y is 12% less than 50% of 230, then x is equal to:

A: 88.25

B: 19.10

C: 88.03

D: 89.06

Answer: D

Q8: The cost of a vehicle after depreciation at the rate of 16% per annum in 2 years is Rs. 211680. The initial cost of vehicle is:

A: Rs. 280000

B: Rs. 300000

C: Rs. 245000

D: Rs. 320000

Answer: B

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Q9: A bag contains 1 rupee, 50p, 25p coins in the ratio 3 : 5 : 8, amounting to Rs. 450. Find the total number of coins.

A: 900

B: 960

C: 940

D: 990

Answer: B

Q10: If S.P. of an article is 5/6 of its C.P., then the loss % in the transaction is:

A: 16.33%

B: 16%

C: 16.66

D: 16.25

Answer: C

Q11: If (20% of 60) ÷ (10% of 1/y) = x% of 3000, then the ratio x:y is?

A: 1:4

B: 4:1

C: 4:3

D: 3:4

Answer: B

Q12: Which of the following is the correct ascending order?

A: 5/9 < 3/4 < 4/7 < 9/13

B: 4/7 < 5/9 < 9/13 < 3/4

C: 5/9 < 4/7 < 9/13 < 3/4

D: 9/13 < 4/7 < 5/9 < 3/4

Answer: C

Q13: There are 43% of boys in a school. If the number of girls is 513, find the total number of students in the school.

A: 930

B: 900

C: 880

D: 890

Answer: B

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Q14: The cost of 16 articles is equal to the selling price of 12 articles. Find the profit per cent.

A: 33.33%

B: 25%

C: 20%

D: 28.23%

Answer: A

Q15: What is the ratio of 26 kg to 3900 gm?

A: 2 : 300

B: 20 : 3

C: 2 : 3

D: 200 : 3

Answer: B

Q16: Tina said to her mom that she ate 42.86% of the apple that was there on the basket and she gave half of the remaining to her younger one Rina. Then what percentage of apple remains in the basket?

A: 28.57%

B: 28.25%

C: 28.75%

D: 28.46%

Answer: A

Q17: If angles of a triangle are in the ratio 1 : 4 : 5. Find the value of each angle.

A: 120, 480 and 1200

B: 180, 720 and 900

C: 200, 800 and 900

D: 160, 640 and 1000

Answer: B

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Q18: Rs. 7,000 is borrowed at 7.3% rate of interest p.a. borrowed for 2 years. Find the amount to be paid at the end of the second year.

A: Rs. 8020

B: Rs. 8018

C: Rs. 8022

D: Rs. 8024

Answer: C

Q19: A bag contains 5 rupee, 2 rupee and 1 rupee coins in the ratio 4 : 6 : 3, amounting to Rs. 700. Find the total number of coins.

A: 247

B: 240

C: 260

D: 273

Answer: C

Q20: A number decreased by 42 1/3% gives 23.067. The number is (Approx):

A: 43

B: 37

C: 40

D: 35

Answer: C

Q21: If a merchant estimates his profit as 30.43% of the selling price then which of the following is nearest option of the profit percent?

A: 43.75%

B: 40.45%

C: 45.62%

D: 46.78%

Answer: A

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Q22: A racing car travels with the speed of 45 meter per second whereas, an ordinary car will travel with the speed of 60 km per hour. What is the ratio of the speed of the racing car to that of an ordinary car?

A: 27:10

B: 25:9

C: 28:11

D: 30:11

Answer: A

Q23: If S.P. of an article is 5/8 of its C.P., then the loss % in the transaction is:

A: 35.2%

B: 37.5%

C: 39.6%

D: 32.8%

Answer: B

Q24: x% of 20 + 20% of 240 = 248, then the value of x is:

A: 1500

B: 1000

C: 1200

D: 1400

Answer: B

Q25: If 4.25% more is gained by selling an article for Rs. 732 than by selling it for Rs. 681 then the cost of the article is:

A: Rs. 1500

B: Rs. 1200

C: Rs. 1600

D: Rs. 1000

Answer: B

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Q26: A sum of Rs. 1800 was lent partly at 5% and partly at 6% p.a. simple interest. The total interest received after 3 years was Rs. 300. The ratio of the money lent at 5% to that lent at 6% is:

A: 4:5

B: 2:3

C: 1:2

D: 3:4

Answer: A

Q27: The cost of a vehicle after depreciation at the rate of 8% per annum in 2 years is Rs. 126960. The initial cost of vehicle is:

A: Rs. 150000

B: Rs. 180000

C: Rs. 200000

D: Rs. 120000

Answer: A

Q28: If (25% of 80) ÷ (15% of 1/y) = x% of 2000, then the ratio x:y is?

A: 10:3

B: 15:4

C: 20:3

D: 12:5

Answer: C

Q29: A number increased by 20.5% gives 385.6. The number is:

A: 330

B: 350

C: 300

D: 320

Answer: D

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Q30: Rs. 18,000 is borrowed at 13% rate of interest p.a. borrowed for 1.5 years. Find the amount to be paid at the end of the 1.5 years.

A: Rs. 20610

B: Rs. 21510

C: Rs. 22410

D: Rs. 20810

Answer: B